

TABLE III  
Appendix III

SHLEICHER & SCHUELL, GmbH P.O. Box 4, D37582, Dassel, Germany		APPLICATION
1. Cellulose Acetate, 0.45 um's 25 mm discs - 23710		Removal of solid matter, proteins > .45 mm
2. Polyvinylidene Fluoride, 0.2 um's, 25 mm disks - 413005		Antibody coating
3. NA45 DEAE Cellulose Membrane, 0.45 um's, 25 mm discs - 23310		Capture aldehydes
4. NA45 DEAE Cellulose Membrane, 0.45 um's, 4x5 1/4 inches - 23430		Capture of malonaldehyde, sulfites, sulfite-bound aldehydes
5. Nylon, 0.45 um's, 25mm discs - 00130		Removal of solid matter, proteins > .45 mm
6. Nylon, 0.2 um's, 25 mm discs - 00030		Removal of solid matter, proteins > .2 mm
7. NL Polyamide		Capture organohalides
8. PC Polycarbonate		Capture aldehydes
Poretics Coporation 111 A Lindbergh Ave., Livermore, CA 94550		APPLICATION
1. MicroPrep, PTFE, PP, NS, 0.2 um's, 13 mm - 97844		Capture compounds having fatty acid chains lipid peroxides
2. MicroSpin, Nylon, 0.45 um's, Micro-Cent. tubes - 97795		Removal of solid matter, proteins
3. Ultra-Spin, CTA, PP S, 10k MWCO, Micro-Cent Tubes - 97771		Removal of solid matter, proteins
4. Silver Membranes, 0.4 um's, 25mm - 51133		Capture of volatiles
5. Polycarbonate Membranes, 0.4 um's, 25 mm, PVP Free - 11030		Capture aldehydes
6. Polycarbonate Membranes, 0.4 um's, 25 mm, AOX - 11027		Capture chlorinated molecules
7. Polycarbonate Membranes, 0.45 um's 47 mm, Low extr. - 13035		Capture aldehydes
8. Polycarbonate Membranes, 0.2 um's, 8" x 10", PVP Free - 19416		Capture aldehydes
MILLIPORE CORPORATION 80 Ashby Rd., Bedford, Ma 01730-2271		APPLICATION
1. Isopore, 0.1 um's, 25 mm discs - VCTP 025 00		Removal of solid matter proteins
2. Immobilon-CD, 0.45 um's, 25mm discs, Cationically charged (hydrophilic PVDF) - ICDM 025 00		Removal of solid matter proteins
3. Low water Extractable (TF) filters, 0.45 um's, 25 mm discs - HATF 025 00		Removal of solid matter without binding organic molecules
4. Hydrophilic Durapore, 0.45 um's, 25 mm discs - HVL-025 00		Removal of solid matter proteins
5. Immobilon (hydrophobic PVDF) high protein binding, 0.45 um's, 25 mm discs - ISEQ 025 00		Capture aldehydes
6. Isopore, HTTP (polycarbonate), 0.4 um's, 25 mm discs - HTTP 025 00		Capture aldehydes
7. Immobilon-P Transfer Membranes (PVDF), 0.45 um's, 15 cm x 15 cm - IPVH 151 50		Coating with antibodies to capture or remove antibody specific compounds
8. Immobilon Transfer Membranes (PVDF), 0.45 um's, 15 cm x 15 cm - ICDM 151 50		Coating with antibodies to capture or remove antibody specific compounds
9. Immobilon NC Pure, 0.22 um's, 15 cm x 15 cm - INCP 151 50		Coating with antibodies to capture or remove antibody specific compounds
10. Immobilon-NC (Surfactant free), 0.45 um's, 15 cm x 15 cm HATF 151 50		Coating with antibodies to capture or remove antibody specific compounds
11. MultiScreen - DEAE Anion Exchange Paper Opaque 96 well plates - MADE NO8 10		Capture aldehydes
12. MultiScreen - Phospho Cellulose Cation Exchange Paper Opaque 96 well plates MAPH NO8 10		Bind lipid peroxides for capture
13. SC X		MW Cutoffs timer polymers triglyceria
14. Polysulfone		Amino acids, peptides proteins
15. IGN-6		Microbes
16. ICE 450		Bind nucleotides DNA
Sartorius 131 Hearland Blvd., Edgewood, NY 11717		APPLICATION
1. Sartoband S		Bind monoclonal antibodies, etc.
2. Sartoband C		Exdotoxin removal
3. Sartoband Q		Separate proteins anines
4. Sartoband D		DNA ADP ATP AMP
5. Sartoband IDA		Metals; cations
Gelman/Pall 600 South Wagner Road, Ann Arbor, MI 48103-9019		APPLICATIONS
1. Versapor		Prefilter contaminants
2. Ultrabind 05450		Bind monoclonal antibodies, etc.
3. Biodyne C		Separation proteins
4. Biodyne B*		Endotoxins nucleotide separation

FIG. 20

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~~Appendix IV~~

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# Predictive Algorithms


1.	Prediction of Olive Oil Adulteration using product FFA X Polyphenol Please refer to row 29 of Appendix I.	FFA X Polyphenol = Numerical Scale > 50 not adulterated < 50 likely adulterated
2.	Shelf Life Prediction based on MDA/LPO ratio	MDA/LPO is a scale 0 to 5 0-0.5      67% shelf life remains 0.5-1      33% shelf life remains 1-2      15% shelf life remains > 2      5% shelf life remains
3.	Shelf Life Prediction based stress with peroxy generator	% change related to shelf life 0-10%      > 18 months 10-30%      12-18 months 30-50%      6-12 months >50%      < 6 months
4.	Freeze/Thaw Prediction using ratio Acidity/LPO	Ratio      Freeze/Thaw 0-0.2      one 0.2-0.4      two 0.4-0.6      three 0.6-0.8      four
5.	Prediction of time to Mycotoxin contamination using LPO value Please refer to row 33 of Appendix I.	LPO  Time to Contamination
6.	Prediction if food is Irradiated using FFA/LPO ratio	Food non-irradiated has expected FFA/LPO of <1  Food Irradiated increases FFA/LPO >1

FIG. 21

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